

ABSTRACT OF THE DISCLOSURE

A bipolar transistor includes the first group of transistors 610a, the second group of transistors 610b, the third group of transistors 610c and the fourth group of transistors 610d. The
5 groups of transistors have unit transistors with emitters, bases and collectors that are connected electrically in parallel and the number of unit transistors is different from group to group and 2, 4, 8, and 16, respectively.